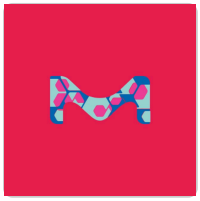

All Photos (1)

Key Documents

SDS

COO/COA

Specification Sheet

View All Documentation

C2874 Sigma-Aldrich.

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CryoStor® cell cryopreservation media

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CS10

Synonym(s): cell freezing medium

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Select a Size

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100 ML
$470.00

About This Item

UNSPSC Code:	12352207
NACRES:	NA.75

C2874-100ML
$470.00

Available to ship on April 14, 2025 Details

1

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RECOMMENDED PRODUCTS

Sigma-Aldrich

C2999

CryoStor® cell cryopreservation media

Quick View

Sigma-Aldrich

C6295

Cell Freezing Medium-DMSO Serum free 1x

Quick View

PROPERTIES

Quality Level	**100**
sterility	sterile-filtered
form	liquid
technique(s)	cell culture | mammalian: suitable cryopreservation: suitable
shipped in	ambient
storage temp.	2-8°C

Looking for similar products? Visit **Product Comparison Guide**

Related Categories

Cell Culture & Analysis
Cell Culture Media & Buffers
Cell Culture Supplements & Reagents
Cell Freezing Reagents
Classical Media & Buffers

Feedback

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This Item		
	**C2874** **CryoStor® cell cryopreservation media**	 **C2999** **CryoStor® cell cryopreservation media**
Quick View		Quick View
sterility sterile-filtered		**sterility** sterile-filtered
technique(s) cell culture | mammalian: suitable, cryopreservation: suitable		**technique(s)** cell culture | mammalian: suitable, cryopreservation: suitable
storage temp. 2-8°C		**storage temp.** 2-8°C
shipped in ambient		**shipped in** ambient
Quality Level 100		**Quality Level** 100

DESCRIPTION

General description

The CryoStor CS2, CS5, and CS10 family of preservation solutions represents the next generation of cryopreservation media. Designed to prepare and preserve cells in ultra low temperature environments (−80 to −196 °C), CryoStor media provide a safe, protective environment for cells and tissues during thefreezing, storage, and thawing process. Through modulating the cellular biochemical response to the cryopreservation process, these media provide enhanced cell viability and functionality, while eliminating the need to include serum, proteins, or high levels of cytotoxic agents.

CryoStor CS2, CS5, and CS10 are a series of cell specific, optimized preservation media, uniquely formulated to address the molecular biological aspects of cells during the cryopreservation process; thereby, directly reducing the level of Cryopreservation-Induced Delayed-Onset Cell Death and improving post-thaw cell viability and function.

These media are recommended for the preservation of stem cells, hepatocytes, tissue samples, and other extremely sensitive cell types.

Application

CryoStor, a series of cell-specific, optimized preservation media, is uniquely formulated to address the molecularbiological aspects of cells during the cryopreservation process thereby directly reducing the level of Cryopreservation-Induced Delayed-Onset Cell Death and improving post-thaw cell viability and function.

CryoStor® cell cryopreservation media has been used in:

- the preservation of T cells[1]
- the preservation of human induced pluripotent stem cell-derived cardiomyocytes (hiPSC-CMs)
- hiPSC-derived cardiac progenitors (hiPSC-CPs)[2]
- as a component of cryoprotective solution composed of bovine albumin[3]

Other Notes

Formulation contains 10% DMSO.

Legal Information

CryoStor is a registered trademark of BioLife Solutions, Inc.

RELATED PRODUCTS

Comparable Product

C3124

CryoStor® cell cryopreservation media, CS2

View Pricing

C2999

CryoStor® cell cryopreservation media, CS5

View Pricing

Related Product

08168

Timestrip Plus™ 8 °C

View Pricing

SAFETY INFORMATION

Storage Class	wgk_germany	flash_point_f	flash_point_c
10 - Combustible liquids	WGK 2	Not applicable	Not applicable

DOCUMENTATION

SDS Specification Sheet

Certificate Of Analysis Certificate Of Origin More Documents

Choose from one of the most recent versions:

Certificates of Analysis (COA)

Lot/Batch Number

MKCX3424

MKCX3423

MKCV5012

MKCV5014

MKCV5013

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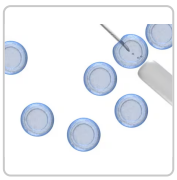
S-002-M

Cell Culture Freezing Media

Quick View



Sigma-Aldrich

ES-002

EmbryoMax® 2X Freezing Medium for ES...

Quick View

PEER REVIEWED PAPERS

Physical events occurring during the cryopreservation of immortalized human T cells

Meneghel J, et al.
PLoS ONE, 14(5), e0217304-e0217304 (2019)

Generation of a human induced pluripotent stem cell line (iPSC) from peripheral blood mononuclear cells of a patient with a myasthenic syndrome due to mutation in COLQ.

Susie Barbeau et al.
Stem cell research, 49, 102106-102106 (2020-12-30)

Congenital myasthenic syndromes (CMS) are a class of inherited disorders affecting the neuromuscular junction, a synapse whose activity is essential for movement. CMS with acetylcholinesterase (AChE) deficiency are caused by mutations in COLQ, a collagen that anchors AChE in the

Patient-Derived Tumor Organoid Rings for Histologic Characterization and High-Throughput Screening.

Huyen Thi Lam Nguyen et al.
STAR protocols, 1(2) (2020-10-13)

Tumor organoids are promising tools for cancer biology investigations and preclinical drug screenings because they are often representative of the histology and drug responses of patients. Here, we introduce a facile protocol to overcome technical limitations by generating patient-derived tumor

The impact of varying cooling and thawing rates on the quality of cryopreserved human peripheral blood T cells

Baboo J, et al.
Scientific reports, 9(1), 3417-3417 (2019)

In vivo maturation of human induced pluripotent stem cell-derived cardiomyocytes in neonatal and adult rat hearts

Kadota S, et al.
Stem Cell Reports, 8(2), 278-289 (2017)

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PROTOCOLS AND ARTICLES

Articles

Good Cell Banking Practices

Overview of good cell banking practices for cell line cryopreservation purposes.

3D Organoid Culture: New In Vitro Models of Development and Disease

Organoid culture products to generate tissue and stem cell derived 3D brain, intestinal, gut, lung and cancer tumor organoid models.

Protocols

CryoStor® Cryopreservation Protocol

Cryopreservation affects post-thaw recovery, viability, and functionality. Stress during freezing and suboptimal media lead to cell death.

Induced Pluripotent Stem Cell Culture Protocols

Step-by-step stem cell culture protocols for human induced pluripotent stem cells (iPSCs) including ips cell thawing, expanding, freezing and characterizing.

Related Content

Cell Culture Media Preparation Using MilliShot™ Single Dose Antibiotics

Learn how to use our cell culture tested, ready-to-use MilliShot™ single dose antibiotic solutions, conveniently packaged in one-time use vials.

Cell Culture Workflow

Our broad range of the most trusted tools for cell culture includes stringently sourced and tested FBS, established media formulations, and sterile labware. Cutting-edge techniques using stem cells and 3D matrices...

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Questions

Ask a question

1–2 of 2 Questions

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Loïc2903 · 11 months ago

1 answer

Dear, I am interested in buying the Cryostor CS10, 100 ml (C2874). I am wondering if the product packaging is a bag or a bottle. I can't find the information on the website. In advance, thank you for your answer. Best regards.

Technical Support · 11 months ago

This is packaged in a glass bottle with a polyethylene cap.

Helpful? Yes · 0 No · 2 Report

Feedback

Anonymous · a year ago

1 answer

Are there any publications available on using product C2874 for freezing human blood neutrophils? What are the viability and functions of frozen neutrophils after thawing?

Technical Support · a year ago

For information on the viability of neutrophils after freezing and thawing with this product, the following publication can be useful:
Title: An easy and reliable whole blood freezing method for flow cytometry immuno-phenotyping and functional analyses
Journal: Cytometry B Clin Cytom. 2021 Nov;100(6):652-665

DOI: 10.1002/cyto.b.21994
Published: Epub 2021 Feb 5
PMID: 33544978

Reviews

★★★★★

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TECHNICAL SERVICE

Our team of scientists has experience in all areas of research including Life Science, Material Science, Chemical Synthesis, Chromatography, Analytical and many others.

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